



## **DIAL-O-VERTER®**

### **MAGNETIC TAPE TERMINAL D524**

The D524 Magnetic Tape Terminal is one of Digitronics' family of compatible data handling devices which offers accurate, reliable, high-speed data communications at low cost.

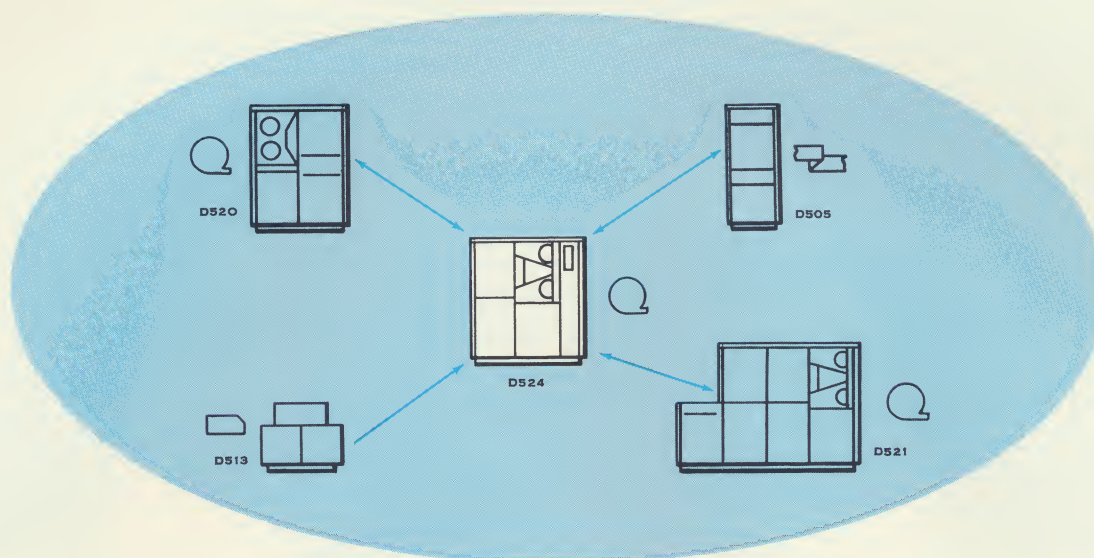
The D524 can grow with the user's needs on a "building block" basis with the addition of several standard modules. It starts out as a magnetic tape terminal, sending or receiving information at full line speeds. The equipment can be expanded to translate and format data in a multiplicity of line codes, to read and punch paper tape, and to print at high speed.

The D524 controls the transfer of data between input/output devices within one location or between a central and several remote locations. In addition to transmitting and receiving data, it may perform as an off-line data converter, replacing expensive satellite equipment.

Facilities for the detection and automatic correction of errors are incorporated in the terminal to assure the integrity of data. Data is checked at critical points throughout the system to assure that only error-free information is transmitted or recorded on tape.



## TECHNICAL INFORMATION



### OPERATING CHARACTERISTICS

**Transmits to:** D505 Paper Tape Terminal, D520, D521, D524 Magnetic Tape Terminals

**Receives from:** D505 Paper Tape Terminal, D513 Serial Card Transmitter, D520, D521, D524 Magnetic Tape Terminals

**Telephone Lines:** Dial or Lease

**Data Set:** 202 or 201

**Speed:** Up to 300 cps depending upon the receiver and data set used. Higher speeds on broad band facilities

**Codes:** Transmits an image of the magnetic tape code or receives an image of the line code. Handles codes up to and including ASCII at 200/556 bpi.

**Error Detection:** Vertical Parity, Longitudinal Parity, Modulo 8 Block Count (in ASCII mode), Control Sequence Check (in ASCII mode), Overflow Control

**Error Correction:** Automatic Retransmission, Read-After-Write, Memory Check

**Options:** Fixed or Variable Code Translation, Paper Tape Input, Paper Tape Output, Data Set Select, Alternate Data Set, DATA-VERTER® Compatibility, 800 BPI, 7- or 9-Channel Magnetic Tapes or RCA 333 BPI (581 Magnetic Tape)

### INSTALLATION INFORMATION

**Dimensions:** 56" W x 72" H x 24" D

**Weight:** Approximately 1,000 pounds

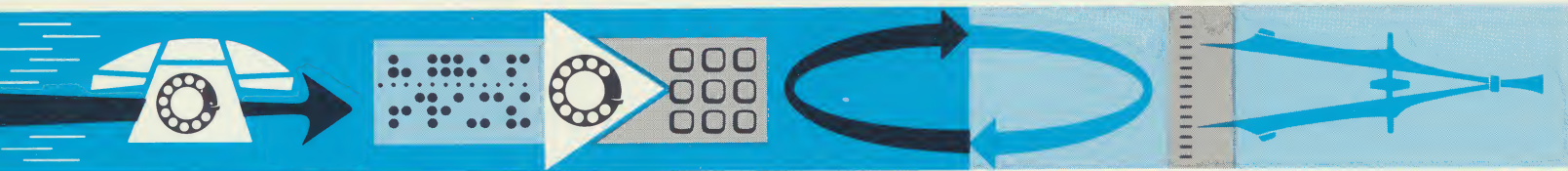
**Power Requirements:** 115 volt, 3-phase 5-wire power with 30 amp service, including separate house ground. Power connector is a Hubbell 45105

**Heat Dissipation:** 18,000 BTU's per hour maximum

**Environmental Requirements:** Temperature range: 55°F to 95°F ambient. Humidity range: 40% to 70%

#### OPTIONS:

1. Fixed Translation — Provides two code translations plus image transmission at any one time
2. Variable Code Translation — Permits selection of translation codes and suppressed characters through plug-board inserts. (Requires ordering Option #1)
3. Paper Tape Output — Allows reception on paper tape as well as local conversion of magnetic tape data
4. Paper Tape Input — Permits the off-line conversion of paper tape data to magnetic tape. The option provides a high speed paper tape reader and spooler with 10 inch reels



## DIGITRONICS CORPORATION

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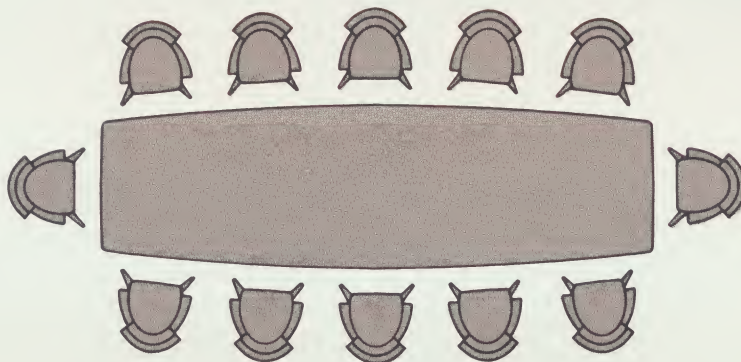
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for your next management decision . . .



make sure every bit of data is current!



# THE DATA-VERTER<sup>®</sup> SYSTEM

- ☐ CAPTURES DATA AT THE SOURCE
- ☐ TRANSMITS DATA  
QUICKLY, ACCURATELY
- ☐ USES ORDINARY  
TELEPHONES FOR TRANSMISSION

**WITHIN HOURS YOU HAVE ALL THE NECESSARY FACTS**

## FEATURES:

- Uses familiar input devices
- Easy to operate
- Economical to install
- Lowest cost per transaction
- Compatible with all major computers
- Modular in concept — easily expanded to meet growing system requirements
- Accurate . . . reliable . . . includes error-checking
- Compact and convenient

## CAPABILITIES:

Enables you to realize the full capacity of your EDP system to:

- Increase the accuracy and speed of order and transaction recording and cash accounting
- Receive timely sales analysis and management reports
- Efficiently schedule your Distribution and Processing Systems with up-to-date information
- Minimize "out of stock" situations while operating with a fraction of present inventory; thus freeing working capital
- Increase control over remote branch operations
- Provide better customer service

**All . . . at less cost without re-programming**



# 4 simple steps to faster, more

## **step 1** OPERATOR USES FAMILIAR INPUT DEVICES

An adding machine, typewriter, calculator, or any other input device which meets your system's requirements may be used to feed data to the universal digital recorder. In addition, the operator obtains a hard copy printout of the data for his records. Operators like DATA-VERTER . . . make fewer errors . . . remain confident because of familiar equipment. Training and equipment indoctrination is easy and fast.



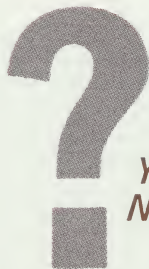
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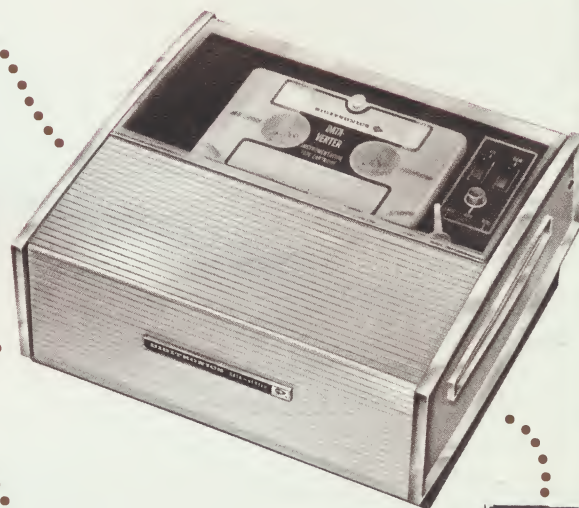
OR



OR



**YOUR  
NEEDS**



## **step 3** TRANSMITS OVER ORDINARY TELEPHONE WIRES

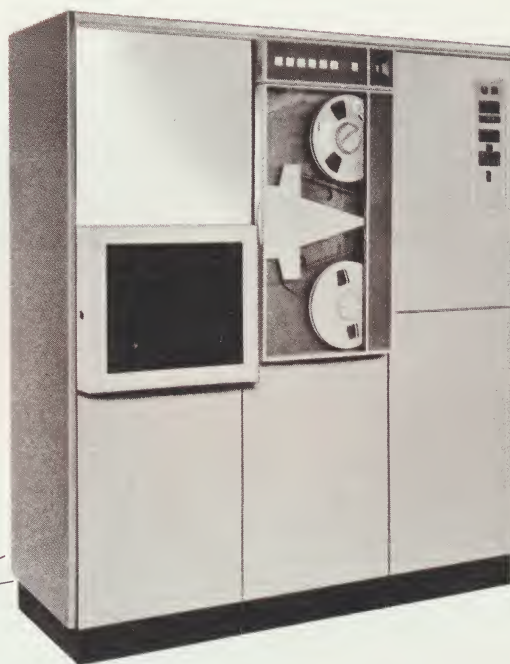
Operator loads cartridge on DATA-VERTER transmitter and makes a phone call to EDP center. Using standard telephone lines, WATS or private lines, the transmitter sends the coded data to central terminal at speeds up to 360 words per minute . . . 5 to 7 times faster than conventional equipment. As an added convenience, the transmitter may operate unattended and automatically send information when called by the central operator.

# *accurate information*

## *step 2*

### **AUTOMATIC RECORDING ON REUSABLE MAGNETIC TAPE CARTRIDGE**

A reusable magnetic tape cartridge which can be handled as easily as a phonograph record is used as the recording medium. Recording is automatic and simultaneous with input. All input activity is stored on magnetic tape. After data has been recorded, the operator simply removes cartridge and the recorded information is ready for transmittal to your data processing facility.



## *step 4*

### **RECEIVED AT YOUR EDP CENTER**

Data can be received on computer-compatible magnetic tape, paper tape, punch cards, or as hard copy. Error-checking is a standard feature of the DATA-VERTER System. Now all the data is ready and waiting for your use . . . within hours of origin.

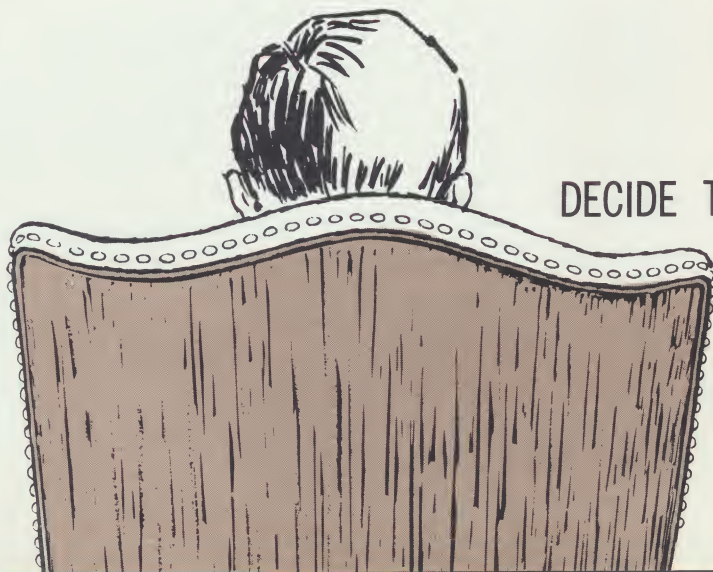
i n p u t  
t o y o u r  
d a t a  
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the  
modern  
aid  
to  
effective  
decision  
making  
and  
operations

Today's corporations need up-to-the-minute facts on which to formulate decisions and schedules. Guess-timates, projections, and out-dated or inaccurate data is no longer satisfactory. To compete efficiently in today's markets, the knowledge of exactly what is happening on a daily basis in any area is essential. DATA-VERTER is the fastest, most accurate, most economical means of supplying corporate management with that information.

Used effectively, the DATA-VERTER System can help improve customer service, increase profits, cut paperwork, reduce stockpiled inventories, lower overhead and increase control over remote operations. Yet DATA-VERTER is low in price... low in operating cost.



DECIDE TODAY TO SEE A DATA-VERTER  
DEMONSTRATION IN YOUR  
OWN OFFICE. THIS DECISION MAY  
BE THE FORERUNNER OF A  
LONG SERIES OF SOUND ONES.



**PUT  
DATA-VERTER'S  
CENTRALIZED  
DATA ACQUISITION  
& TRANSMISSION  
SYSTEM  
TO WORK  
FOR  
YOUR COMPANY**

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